

Release notes for ENDF/B Development g-074_W_183
evaluation

ENDF
B-VII.dev

December 2, 2016

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=7434, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=7434, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      86 TO      145
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=7434, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=7434, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      86
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 3 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 3
SECTION 3/ 3 NOT IN DIRECTORY      RECORD NUMBER      147
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      185
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      222
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 17 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY      RECORD NUMBER      241
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 22 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY      RECORD NUMBER      251
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 270

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 50 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 50
SECTION 3/ 50 NOT IN DIRECTORY RECORD NUMBER 285

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 322

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 358

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 394

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 430

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 55
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 465

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 56
SECTION 3/ 56 NOT IN DIRECTORY RECORD NUMBER 497

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 57 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 57 | RECORD NUMBER | 531 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 58 | RECORD NUMBER | 565 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 59 | RECORD NUMBER | 598 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 60 | RECORD NUMBER | 631 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 61 | RECORD NUMBER | 664 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 62 | RECORD NUMBER | 696 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 63 | RECORD NUMBER | 728 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 64 | RECORD NUMBER | 760 |
| SECTION 3/ 64 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 65 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 65 | RECORD NUMBER | 791 |
| SECTION 3/ 65 NOT IN DIRECTORY | | |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 66 | RECORD NUMBER | 822 |
| SECTION 3/ 66 NOT IN DIRECTORY | | |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 67 | RECORD NUMBER | 853 |
| SECTION 3/ 67 NOT IN DIRECTORY | | |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 68 | RECORD NUMBER | 883 |
| SECTION 3/ 68 NOT IN DIRECTORY | | |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 69 | RECORD NUMBER | 912 |
| SECTION 3/ 69 NOT IN DIRECTORY | | |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT= 91 | RECORD NUMBER | 942 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT=102 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT=102 | RECORD NUMBER | 970 |
| SECTION 3/102 NOT IN DIRECTORY | | |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT=103 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT=103 | RECORD NUMBER | 1008 |
| SECTION 3/103 NOT IN DIRECTORY | | |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT=104 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT=104 | |
| SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER 1033 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT=105 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT=105 | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 1050 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT=106 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT=106 | |
| SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER 1066 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 3, MT=107 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 3, MT=107 | |
| SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 1076 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 16 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 16 | |
| SECTION 6/ 16 NOT IN DIRECTORY | RECORD NUMBER 1106 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 17 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 17 | |
| SECTION 6/ 17 NOT IN DIRECTORY | RECORD NUMBER 1259 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 22 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 22 | |
| SECTION 6/ 22 NOT IN DIRECTORY | RECORD NUMBER 1331 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 28 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 28 | |
| SECTION 6/ 28 NOT IN DIRECTORY | RECORD NUMBER 1475 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 50 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 50 | RECORD NUMBER | 1601 |
| SECTION 6/ 50 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 51 | RECORD NUMBER | 1612 |
| SECTION 6/ 51 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 52 | RECORD NUMBER | 1623 |
| SECTION 6/ 52 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 53 | RECORD NUMBER | 1634 |
| SECTION 6/ 53 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 54 | RECORD NUMBER | 1645 |
| SECTION 6/ 54 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 55 | RECORD NUMBER | 1656 |
| SECTION 6/ 55 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 56 | RECORD NUMBER | 1667 |
| SECTION 6/ 56 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 57 | RECORD NUMBER | 1678 |
| SECTION 6/ 57 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 58 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 58 | RECORD NUMBER | 1689 |
| SECTION 6/ 58 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 59 | RECORD NUMBER | 1700 |
| SECTION 6/ 59 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 60 | RECORD NUMBER | 1711 |
| SECTION 6/ 60 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 61 | RECORD NUMBER | 1722 |
| SECTION 6/ 61 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 62 | RECORD NUMBER | 1733 |
| SECTION 6/ 62 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 63 | RECORD NUMBER | 1744 |
| SECTION 6/ 63 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 64 | RECORD NUMBER | 1755 |
| SECTION 6/ 64 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 65 | RECORD NUMBER | 1766 |
| SECTION 6/ 65 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 66
SECTION 6/ 66 NOT IN DIRECTORY RECORD NUMBER 1777

56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 67
SECTION 6/ 67 NOT IN DIRECTORY RECORD NUMBER 1788

57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 68
SECTION 6/ 68 NOT IN DIRECTORY RECORD NUMBER 1799

58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 69
SECTION 6/ 69 NOT IN DIRECTORY RECORD NUMBER 1810

59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=7434, MF= 6, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=7434, MF= 6, MT= 91
SECTION 6/ 91 NOT IN DIRECTORY RECORD NUMBER 1821

- **fizcon** Errors:

1. Missing files (probably spectra for outgoing particles)
MAT -1 MF 6 (1): Missing files (a)

ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 102 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 104 REQUIRES AN EQUIVALENT SECTION IN FILE 6
PRESENCE OF FILE 3, MT= 105 REQUIRES AN EQUIVALENT SECTION IN FILE 6
... [2 more lines]

- **fudge-4.0** Errors:

1. Calculated and tabulated Q values disagree.
reaction label 0: n + W182 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4868597.849365234 eV vs -6.1905e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 1: n + W182_e1 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4968697.849365234 eV vs -6.2906e6 eV!

3. Calculated and tabulated Q values disagree.
reaction label 2: $n + W182_e2$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5197997.849365234 eV vs -6.5199e6 eV!
4. Calculated and tabulated Q values disagree.
reaction label 3: $n + W182_e3$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5549097.849365234 eV vs -6.871e6 eV!
5. Calculated and tabulated Q values disagree.
reaction label 4: $n + W182_e4$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6004397.849365234 eV vs -7.3263e6 eV!
6. Calculated and tabulated Q values disagree.
reaction label 5: $n + W182_e5$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6012997.849365234 eV vs -7.3349e6 eV!
7. Calculated and tabulated Q values disagree.
reaction label 6: $n + W182_e6$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6089997.849365234 eV vs -7.4119e6 eV!
8. Calculated and tabulated Q values disagree.
reaction label 7: $n + W182_e7$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6125997.849365234 eV vs -7.4479e6 eV!
9. Calculated and tabulated Q values disagree.
reaction label 8: $n + W182_e8$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6157797.849365234 eV vs -7.4797e6 eV!
10. Calculated and tabulated Q values disagree.
reaction label 9: $n + W182_e9$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6199697.849365234 eV vs -7.5216e6 eV!
11. Calculated and tabulated Q values disagree.
reaction label 10: $n + W182_e10$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6242397.849365234 eV vs -7.5643e6 eV!
12. Calculated and tabulated Q values disagree.
reaction label 11: $n + W182_e11$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6311397.849365234 eV vs -7.6333e6 eV!
13. Calculated and tabulated Q values disagree.
reaction label 12: $n + W182_e12$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6356097.849365234 eV vs -7.678e6 eV!

14. Calculated and tabulated Q values disagree.
reaction label 13: $n + W182_e13$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6378797.849365234 eV vs -7.7007e6 eV!
15. Calculated and tabulated Q values disagree.
reaction label 14: $n + W182_e14$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6421797.849365234 eV vs -7.7437e6 eV!
16. Calculated and tabulated Q values disagree.
reaction label 15: $n + W182_e15$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6489897.849365234 eV vs -7.8118e6 eV!
17. Calculated and tabulated Q values disagree.
reaction label 16: $n + W182_e16$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6492197.849365234 eV vs -7.8141e6 eV!
18. Calculated and tabulated Q values disagree.
reaction label 17: $n + W182_e17$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6528997.849365234 eV vs -7.8509e6 eV!
19. Calculated and tabulated Q values disagree.
reaction label 18: $n + W182_e18$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6580497.849365234 eV vs -7.9024e6 eV!
20. Calculated and tabulated Q values disagree.
reaction label 19: $n + W182_e19$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6625397.849365234 eV vs -7.9473e6 eV!
21. Calculated and tabulated Q values disagree.
reaction label 20: $n + W182_c$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6625397.849365234 eV vs -7.9473e6 eV!
22. Calculated and tabulated Q values disagree.
reaction label 21: $n[\text{multiplicity:}'2'] + W181$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12933480.51794434 eV vs -1.4255e7 eV!
23. Calculated and tabulated Q values disagree.
reaction label 22: $n[\text{multiplicity:}'3'] + W180$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -19614273.88049316 eV vs -2.0936e7 eV!
24. Calculated and tabulated Q values disagree.
reaction label 23: $n + H1 + Ta181$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11963451.80111694 eV vs -1.3286e7 eV!

25. Calculated and tabulated thresholds don't agree
reaction label 24: W183 + gamma / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.e6 eV!

26. Calculated and tabulated Q values disagree.
reaction label 25: n + He4 + Hf178 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3096769.628540039 eV vs -4.4191e6 eV!

27. Calculated and tabulated Q values disagree.
reaction label 26: H1 + Ta182-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5900515.645477295 eV vs -7.2218e6 eV!

28. Calculated and tabulated Q values disagree.
reaction label 27: H2 + Ta181-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9738885.700195312 eV vs -1.1061e7 eV!

29. Calculated and tabulated Q values disagree.
reaction label 28: H3 + Ta180-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11058410.19165039 eV vs -1.238e7 eV!

30. Calculated and tabulated Q values disagree.
reaction label 29: He3 + Hf180-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10187615.52908325 eV vs -1.151e7 eV!

31. Calculated and tabulated Q values disagree.
reaction label 30: He4 + Hf179-s / Cross section: (Error # 0): Q mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.e6 eV!

WARNING: Calculated and tabulated Q-values disagree: 3002221.8671875 eV vs 1.6811e6 eV!

- **xsectplotter** Warnings:

1. Encountered runtime warning in xsectplotter or Fudge or matplotlib
(Error # 2): RuntimeWarning

/usr/local/lib/python2.7/site-packages/matplotlib-1.5.3-py2.7-linux-x86_64.egg/matplotlib/font_manager.py:273: U
/usr/local/lib/python2.7/site-packages/matplotlib-1.5.3-py2.7-linux-x86_64.egg/matplotlib/pyplot.py:524: Runtime

2. Encountered runtime warning in xsectplotter or Fudge or matplotlib
*/usr/local/lib/python2.7/site-packages/matplotlib-1.5.3-py2.7-linux-x86_64.egg/matplotlib/pyplot.py:524:
RuntimeWarning: More than 20 figures have been opened. Figures created through the
pyplot interface ('matplotlib.pyplot.figure') are retained until explicitly closed and may
consume too much memory. (To control this warning, see the rcParam 'figure.max_open_warning').
(Error # 0): RuntimeWarning*

max_open_warning, RuntimeWarning)